

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/383,916DATE: 10/17/2000
TIME: 00:48:17

INPUT SET: S36012.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

(1) General Information:

(i) APPLICANT: Anderson, Darrell R.

(ii) TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
IMMUNOSUPPRESSANTS"

(iii) NUMBER OF SEQUENCES: 12

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

(B) STREET: 699 Prince Street

(C) CITY: Alexandria

(D) STATE: VA

(E) COUNTRY: USA

(F) ZIP: 22314

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 09/383,916

(B) FILING DATE: 26-AUG-1999

(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/487,550

(B) FILING DATE: 07-JUN-1995

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Teskin, Robin L.

(B) REGISTRATION NUMBER: 35,030

(C) REFERENCE/DOCKET NUMBER: 012712-131

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 703-836-6620

(B) TELEFAX: 703-836-2021

RAW SEQUENCE LISTING PATENT APPLICATION US/09/383,916

DATE: 10/17/2000
TIME: 00:48:17

INPUT SET: S36012.raw

47 (2) INFORMATION FOR SEQ ID NO:1:

48

49 (i) SEQUENCE CHARACTERISTICS:

50 (A) LENGTH: 705 base pairs

51 (B) TYPE: nucleic acid

52 (C) STRANDEDNESS: Not Relevant

53 (D) TOPOLOGY: linear

54

55 (ii) MOLECULE TYPE: peptide

56

57

58 (ix) FEATURE:

59 (A) NAME/KEY: CDS

60 (B) LOCATION: 1..705

61

62 (ix) FEATURE:

63 (A) NAME/KEY: mat_peptide

64 (B) LOCATION: 1..705

65

66

67 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

68

69 ATG AGG GTC CCC GCT CAG CTC CTG GGG CTC CTG CTG CTC TGG CTC CCA 48

70 Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp Leu Pro

71 1 5 10 15

72

73 GGT GCA CGA TGT GCC TAT GAA CTG ACT CAG CCA CCC TCG GTG TCA GTG 96

74 Gly Ala Arg Cys Ala Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val

75 20 25 30

76

77 TCC CCA GGA CAG ACG GCC AGG ATC ACC TGT GGG GGA GAC AAC AGT AGA 144

78 Ser Pro Gly Gln Thr Ala Arg Ile Thr Cys Gly Gly Asp Asn Ser Arg

79 35 40 45

80

81 AAT GAA TAT GTC CAC TGG TAC CAG CAG AAG CCA GCG CGG GCC CCT ATA 192

82 Asn Glu Tyr Val His Trp Tyr Gln Gln Lys Pro Ala Arg Ala Pro Ile

83 50 55 60

84

85 CTG GTC ATC TAT GAT GAT AGT GAC CGG CCC TCA GGG ATC CCT GAG CGA 240

86 Leu Val Ile Tyr Asp Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu Arg

87 65 70 75 80

88

89 TTC TCT GGC TCC AAA TCA GGG AAC ACC GCC ACC CTG ACC ATC AAC GGG 288

90 Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Thr Leu Thr Ile Asn Gly

91 85 90 95

92

93 GTC GAG GCC GGG GAT GAG GCT GAC TAT TAC TGT CAG GTG TGG GAC AGG 336

94 Val Glu Ala Gly Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Arg

95 100 105 110

96

97 GCT AGT GAT CAT CCG GTC TTC GGA GGA GGG ACC CGG GTG ACC GTC CTA 384

98 Ala Ser Asp His Pro Val Phe Gly Gly Gly Thr Arg Val Thr Val Leu

99 115 120 125

RAW SEQUENCE LISTING PATENT APPLICATION US/09/383,916

DATE: 10/17/2000
TIME: 00:48:17

INPUT SET: S36012.raw

```

100
101  GGT CAG CCC AAG GCT GCC CCC TCG GTC ACT CTG TTC CCG CCC TCC TCT      432
102  Gly Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser
103      130                      135                      140
104
105  GAG GAG CTT CAA GCC AAC AAG GCC ACA CTG GTG TGT CTC ATA AGT GAC      480
106  Glu Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp
107  145                      150                      155                      160
108
109  TTC TAC CCG GGA GCC GTG ACA GTG GCC TGG AAG GCA GAT AGC AGC CCC      528
110  Phe Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro
111                      165                      170                      175
112
113  GTC AAG GCG GGA GTG GAG ACC ACC ACA CCC TCC AAA CAA AGC AAC AAC      576
114  Val Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn
115                      180                      185                      190
116
117  AAG TAC GCG GCC AGC AGC TAC CTG AGC CTG ACG CCT GAG CAG TGG AAG      624
118  Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys
119                      195                      200                      205
120
121  TCC CAC AGA AGC TAC AGC TGC CAG GTC ACG CAT GAA GGG AGC ACC GTG      672
122  Ser His Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val
123      210                      215                      220
124
125  GAG AAG ACA GTG GCC CCT ACA GAA TGT TCA TGA      705
126  Glu Lys Thr Val Ala Pro Thr Glu Cys Ser *
127  225                      230                      235
128
129

```

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

```

133      (A) LENGTH: 234 amino acids
134      (B) TYPE: amino acid
135      (D) TOPOLOGY: linear

```

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

```

141  Met Arg Val Pro Ala Gln Leu Leu Gly Leu Leu Leu Leu Trp Leu Pro
142      1                      5                      10                      15
143
144  Gly Ala Arg Cys Ala Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val
145                      20                      25                      30
146
147  Ser Pro Gly Gln Thr Ala Arg Ile Thr Cys Gly Gly Asp Asn Ser Arg
148                      35                      40                      45
149
150  Asn Glu Tyr Val His Trp Tyr Gln Gln Lys Pro Ala Arg Ala Pro Ile
151      50                      55                      60
152

```

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/383,916DATE: 10/17/2000
TIME: 00:48:18

INPUT SET: S36012.raw

153 Leu Val Ile Tyr Asp Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu Arg
154 65 70 75 80
155
156 Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Thr Leu Thr Ile Asn Gly
157 85 90 95
158
159 Val Glu Ala Gly Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Arg
160 100 105 110
161
162 Ala Ser Asp His Pro Val Phe Gly Gly Gly Thr Arg Val Thr Val Leu
163 115 120 125
164
165 Gly Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser
166 130 135 140
167
168 Glu Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp
169 145 150 155 160
170
171 Phe Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro
172 165 170 175
173
174 Val Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn
175 180 185 190
176
177 Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys
178 195 200 205
179
180 Ser His Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val
181 210 215 220
182
183 Glu Lys Thr Val Ala Pro Thr Glu Cys Ser
184 225 230 235
185

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 1430 amino acids
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: Not Relevant
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: CDS
- (B) LOCATION: 1..1431

(ix) FEATURE:

- (A) NAME/KEY: mat_peptide
- (B) LOCATION: 1..1431

RAW SEQUENCE LISTING PATENT APPLICATION US/09/383,916

DATE: 10/17/2000
TIME: 00:48:18

INPUT SET: S36012.raw

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

206																			
207																			
208	ATG	AAA	CAC	CTG	TGG	TTC	TTC	CTC	CTC	CTG	GTG	GCA	GCT	CCC	AGA	TGG			48
209	Met	Lys	His	Leu	Trp	Phe	Phe	Leu	Leu	Leu	Val	Ala	Ala	Pro	Arg	Trp			
210	1				5					10					15				
211																			
212	GTC	CTG	TCC	CAG	GTG	AAG	CTG	CAG	CAG	TGG	GGC	GAA	GGA	CTT	CTG	CAG			96
213	Val	Leu	Ser	Gln	Val	Lys	Leu	Gln	Gln	Trp	Gly	Glu	Gly	Leu	Leu	Gln			
214				20				25						30					
215																			
216	CCT	TCG	GAG	ACC	CTG	TCC	CGC	ACC	TGC	GTT	GTC	TCT	GGT	GGC	TCC	ATC			144
217	Pro	Ser	Glu	Thr	Leu	Ser	Arg	Thr	Cys	Val	Val	Ser	Gly	Gly	Ser	Ile			
218			35				40					45							
219																			
220	AGC	GGT	TAC	TAC	TAC	TGG	ACC	TGG	ATC	CGC	CAG	ACC	CCA	GGG	AGG	GGA			192
221	Ser	Gly	Tyr	Tyr	Tyr	Trp	Thr	Trp	Ile	Arg	Gln	Thr	Pro	Gly	Arg	Gly			
222		50				55			60										
223																			
224	CTG	GAG	TGG	ATT	GGC	CAT	ATT	TAT	GGT	AAT	GGT	GCG	ACC	ACC	AAC	TAC			240
225	Leu	Glu	Trp	Ile	Gly	His	Ile	Tyr	Gly	Asn	Gly	Ala	Thr	Thr	Asn	Tyr			
226	65				70				75						80				
227																			
228	AAT	CCC	TCC	CTC	AAG	AGT	CGA	GTC	ACC	ATT	TCA	AAA	GAC	ACG	TCC	AAG			288
229	Asn	Pro	Ser	Leu	Lys	Ser	Arg	Val	Thr	Ile	Ser	Lys	Asp	Thr	Ser	Lys			
230				85				90						95					
231																			
232	AAC	CAG	TTC	TTC	CTG	AAC	TTG	AAT	TCT	GTG	ACC	GAC	GCG	GAC	ACG	GCC			336
233	Asn	Gln	Phe	Phe	Leu	Asn	Leu	Asn	Ser	Val	Thr	Asp	Ala	Asp	Thr	Ala			
234			100				105					110							
235																			
236	GTC	TAT	TAC	TGT	GCG	AGA	GGC	CCT	CGC	CCT	GAT	TGC	ACA	ACC	ATT	TGT			384
237	Val	Tyr	Tyr	Cys	Ala	Arg	Gly	Pro	Arg	Pro	Asp	Cys	Thr	Thr	Ile	Cys			
238			115				120					125							
239																			
240	TAT	GGC	GGC	TGG	GTC	GAT	GTC	TGG	GGC	CCG	GGA	GAC	CTG	GTC	ACC	GTC			432
241	Tyr	Gly	Gly	Trp	Val	Asp	Val	Trp	Gly	Pro	Gly	Asp	Leu	Val	Thr	Val			
242		130				135					140								
243																			
244	TCC	TCA	GCT	AGC	ACC	AAG	GGC	CCA	TCG	GTC	TTC	CCC	CTG	GCA	CCC	TCC			480
245	Ser	Ser	Ala	Ser	Thr	Lys	Gly	Pro	Ser	Val	Phe	Pro	Leu	Ala	Pro	Ser			
246	145				150				155				160						
247																			
248	TCC	AAG	AGC	ACC	TCT	GGG	GGC	ACA	GCG	GCC	CTG	GGC	TGC	CTG	GTC	AAG			528
249	Ser	Lys	Ser	Thr	Ser	Gly	Gly	Thr	Ala	Ala	Leu	Gly	Cys	Leu	Val	Lys			
250				165				170					175						
251																			
252	GAC	TAC	TTC	CCC	GAA	CCG	GTG	ACG	GTG	TCG	TGG	AAC	TCA	GGC	GCC	CTG			576
253	Asp	Tyr	Phe	Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn	Ser	Gly	Ala	Leu			
254			180				185					190							
255																			
256	ACC	AGC	GGC	GTG	CAC	ACC	TTC	CCG	GCT	GTC	CTA	CAG	TCC	TCA	GGA	CTC			624
257	Thr	Ser	Gly	Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln	Ser	Ser	Gly	Leu			
258			195				200					205							

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/383,916DATE: 10/17/2000
TIME: 00:48:18*INPUT SET: S36012.raw*

Line	Error	Original Text
186	Stop Codon at end of sequence removed - no error	(2) INFORMATION FOR SEQ ID NO:3:
430	Stop Codon at end of sequence removed - no error	(2) INFORMATION FOR SEQ ID NO:5:
570	Stop Codon at end of sequence removed - no error	(2) INFORMATION FOR SEQ ID NO:7:
814	Stop Codon at end of sequence removed - no error	(2) INFORMATION FOR SEQ ID NO:9:
953	Stop Codon at end of sequence removed - no error	(2) INFORMATION FOR SEQ ID NO:11:
1195	Stop Codon at end of sequence removed - no error	